

Appln No.: 10/038,407

Applicant(s): Abraham Pinter

HIV-1 GP120 V1/V2 DOMAIN EPITOPIES CAPABLE OF GENERATING NEUTRALIZING ANTIBODIES

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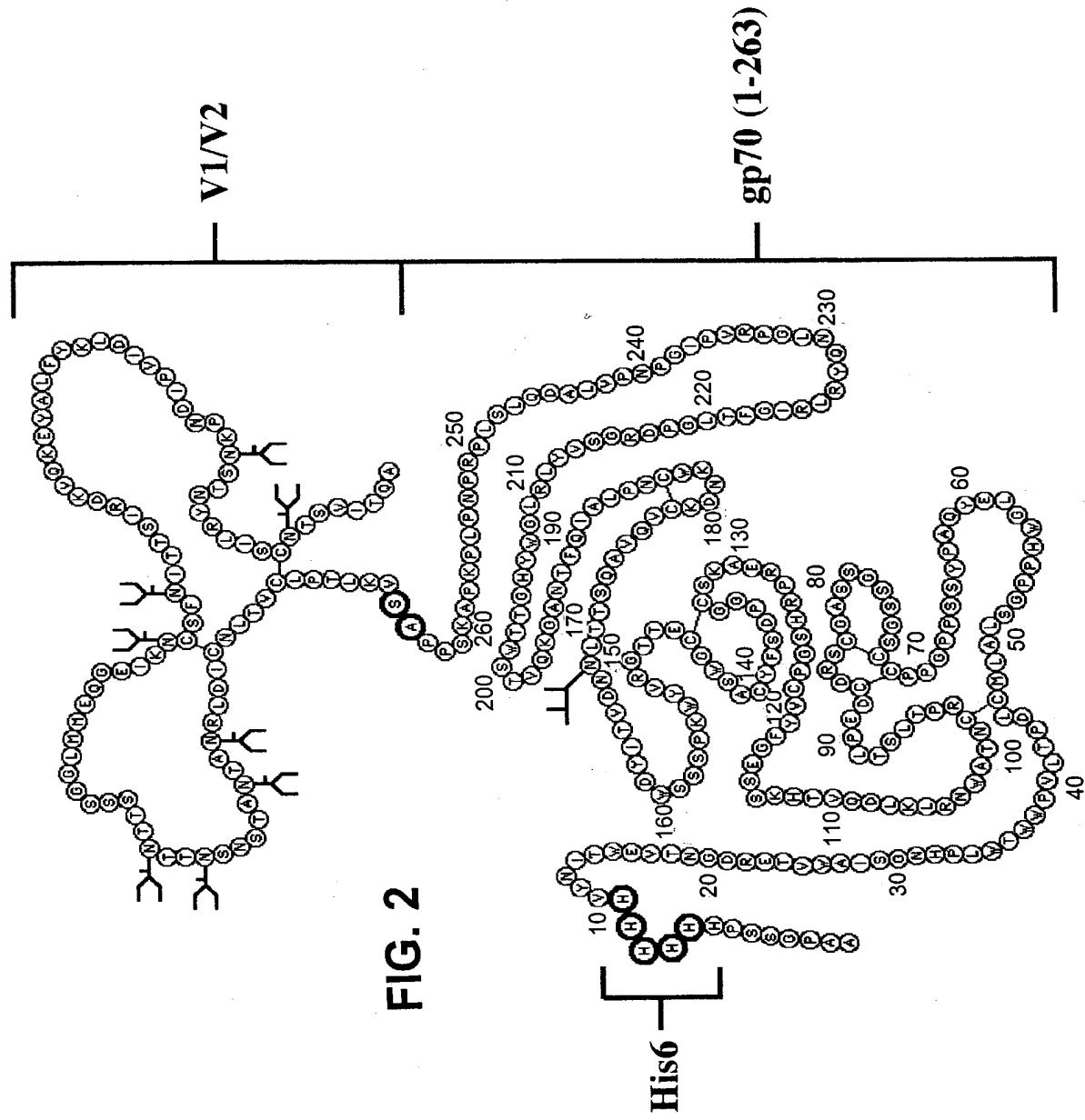
	*	*	Y	V	S	N	R	G	N	R	M	K	R	Q	N	*	F	L	N	R	Y	*	I	I	S	V	E	2nd	most	common		
-	-	-	S	-	-	G	-	-	-	F	-	-	-	-	-	-	-	-	-	I	-	-	-	-	-	HXB2	Case-A2					
-	-	-	S	55	42	46	54	43	45	47	31	52	32	45	50	45	47	55	40	51	47	42	52	55	33	47	54	52	44	/55	Most common clade	
-	-	-	S	4	11	8	1	7	5	5	18	2	13	6	2	3	4	4	10	4	7	1	21	3	1	1	5	1	185			

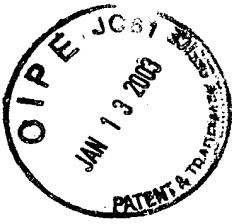
1
FIG.



Case-A2 V1/V2 fusion protein

FIG. 2





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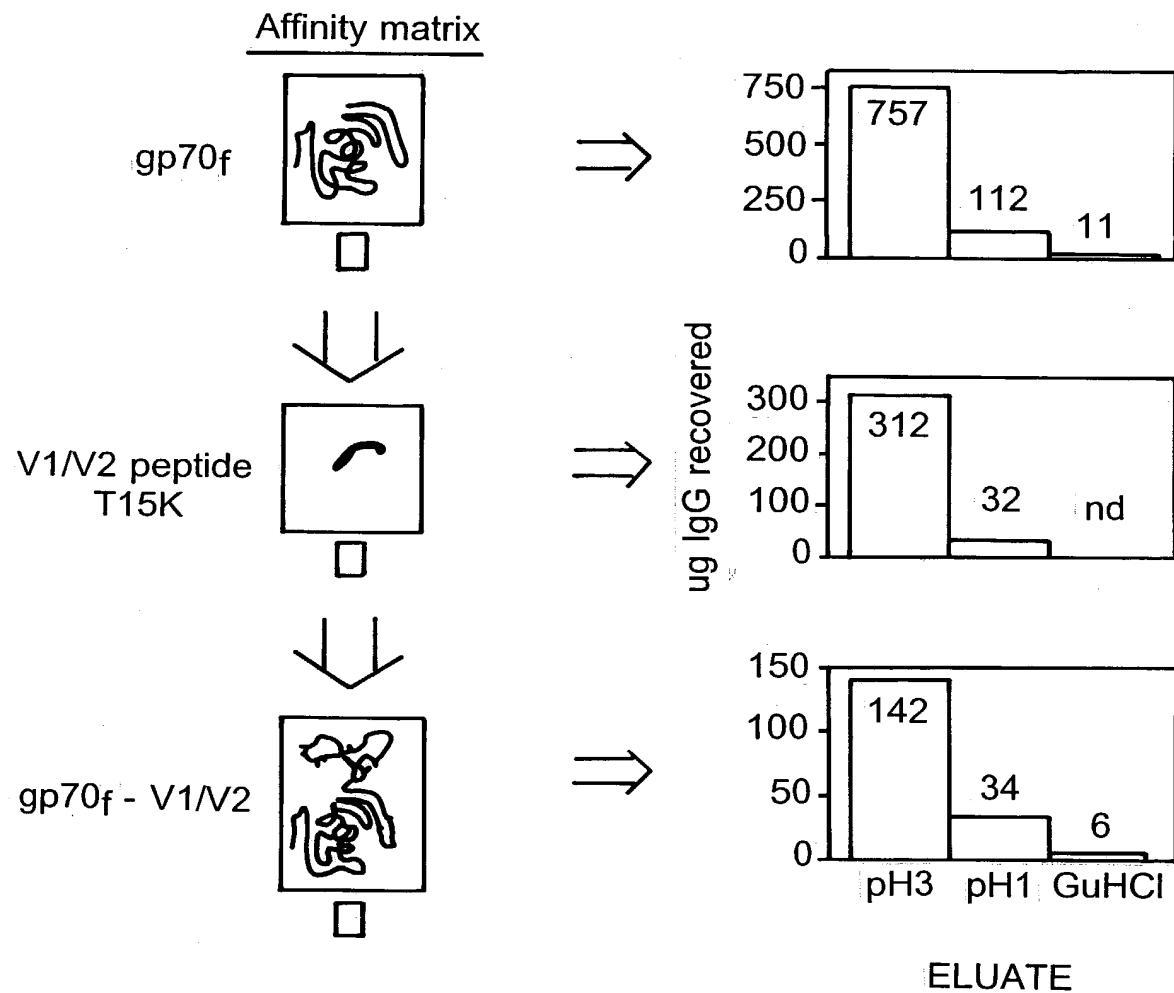
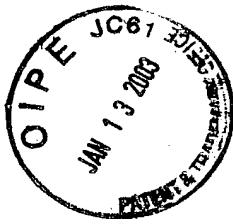


FIG. 3



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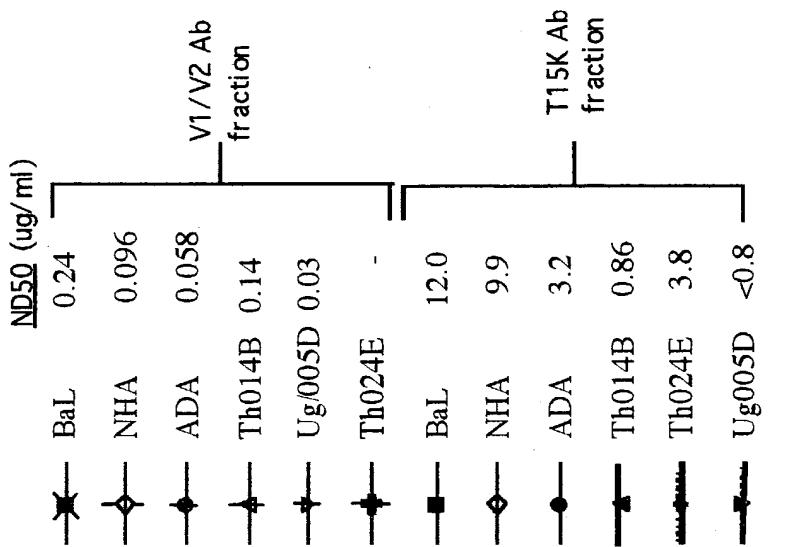


FIG. 4B

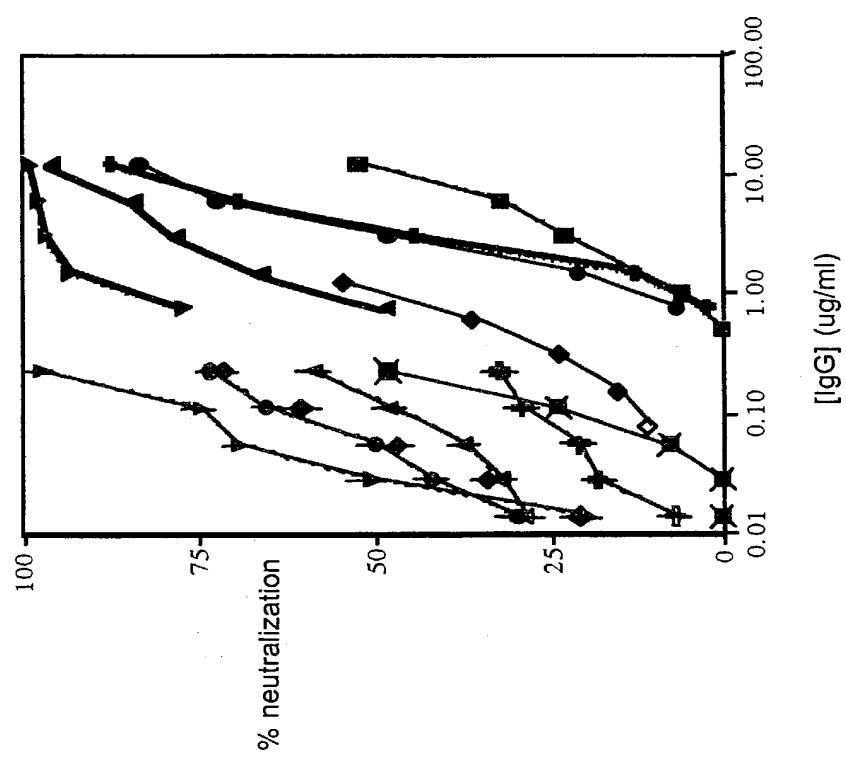


FIG. 4A

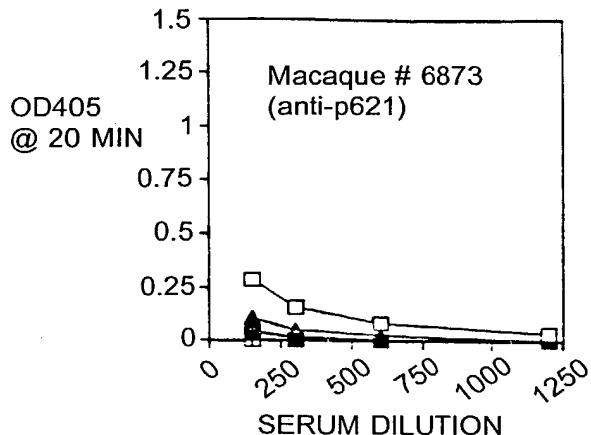
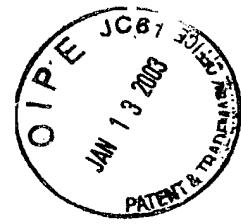


FIG. 5A

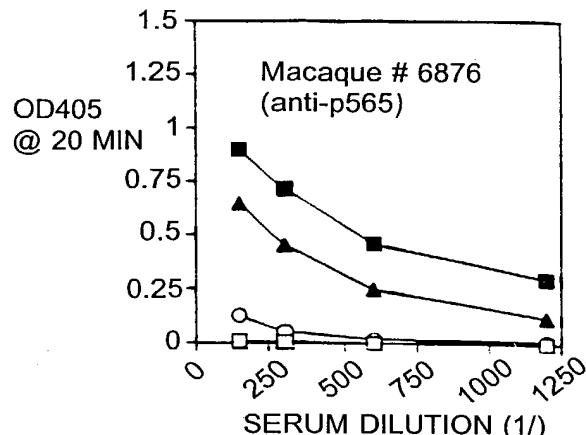


FIG. 5B

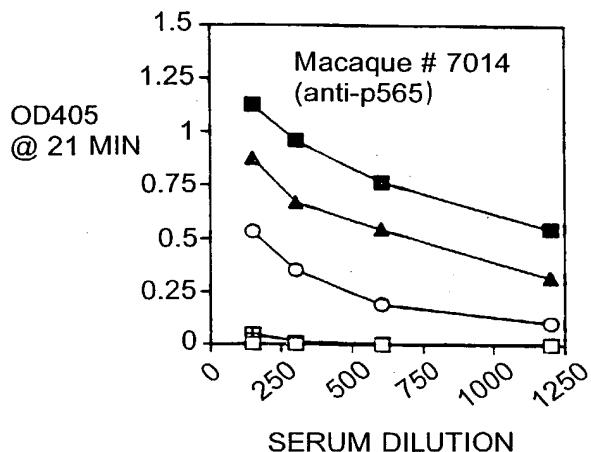


FIG. 5C

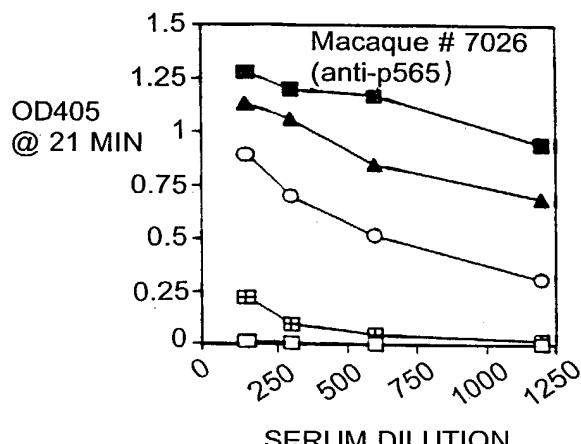


FIG. 5D



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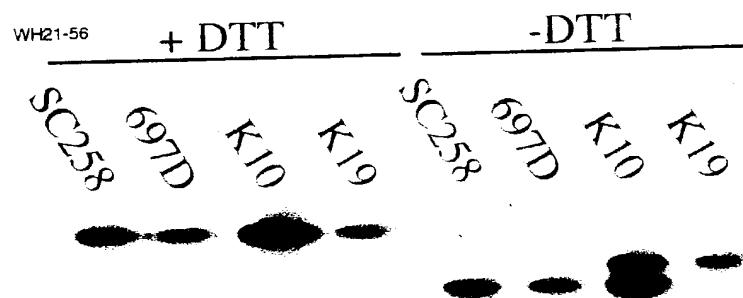


FIG. 6

FIG. 7A

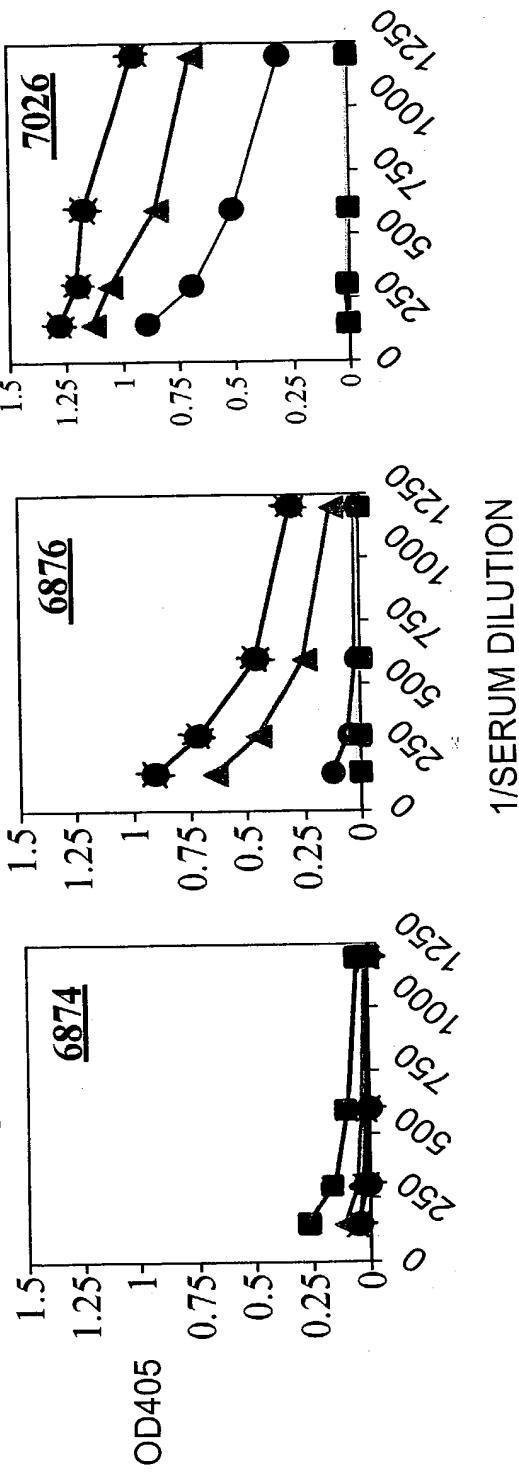


FIG. 7B

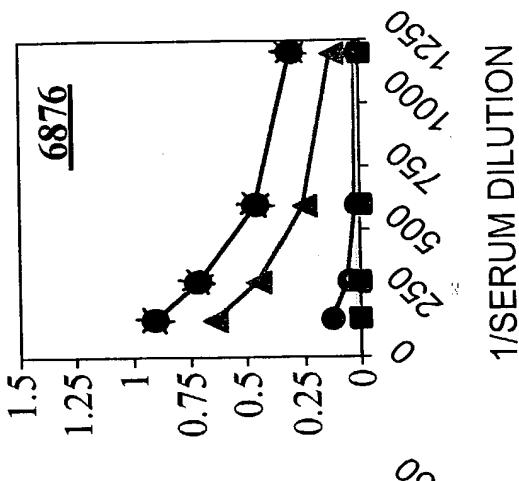
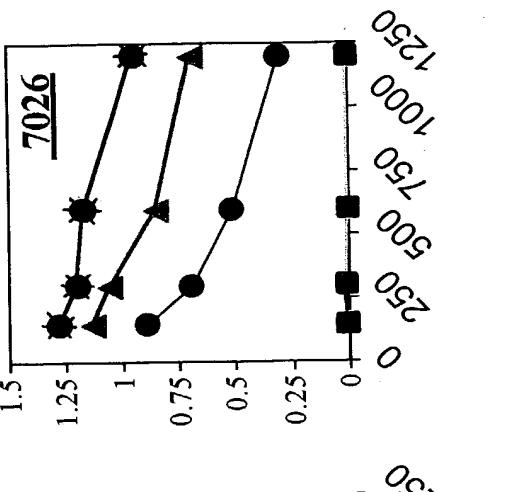


FIG. 7C



- **p621** gp70 carrier protein
- ★- **p565** NA Consensus clade B sequence
- ▲- **p599** Brazil clade B V1/V2 protein
- **p580** Thai clade E V1/V2 protein



FIG. 8A

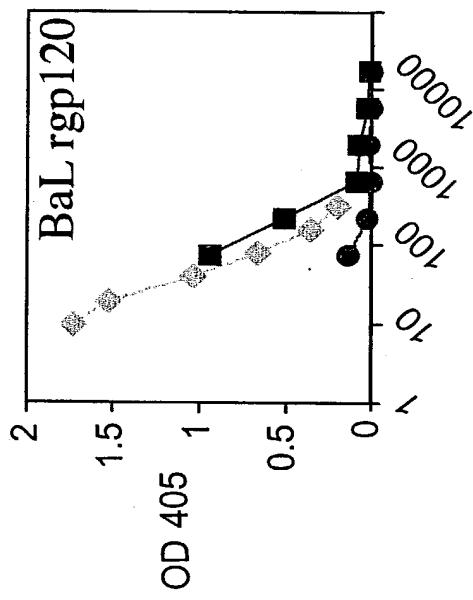
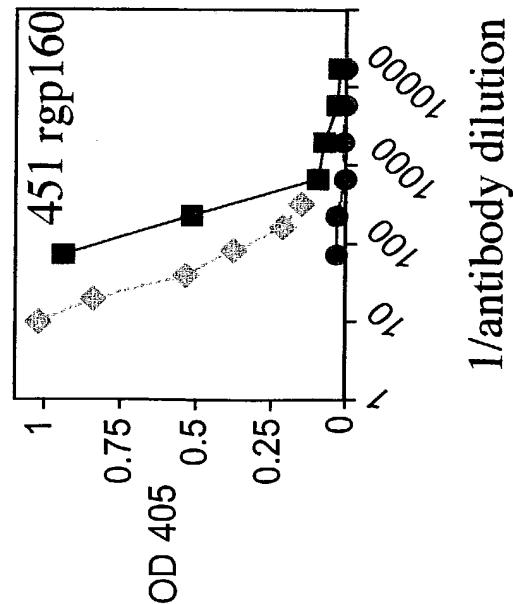
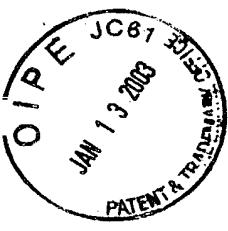
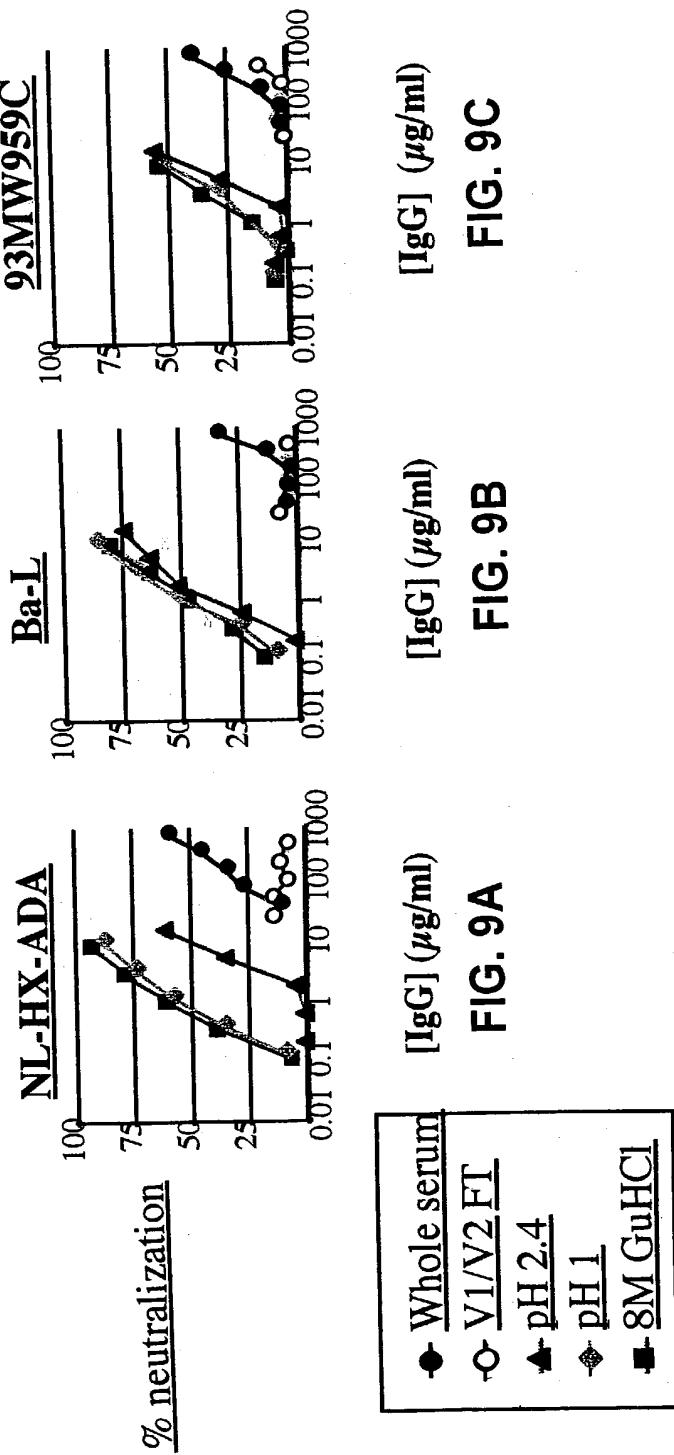


FIG. 8B





Macaque #6876 serum





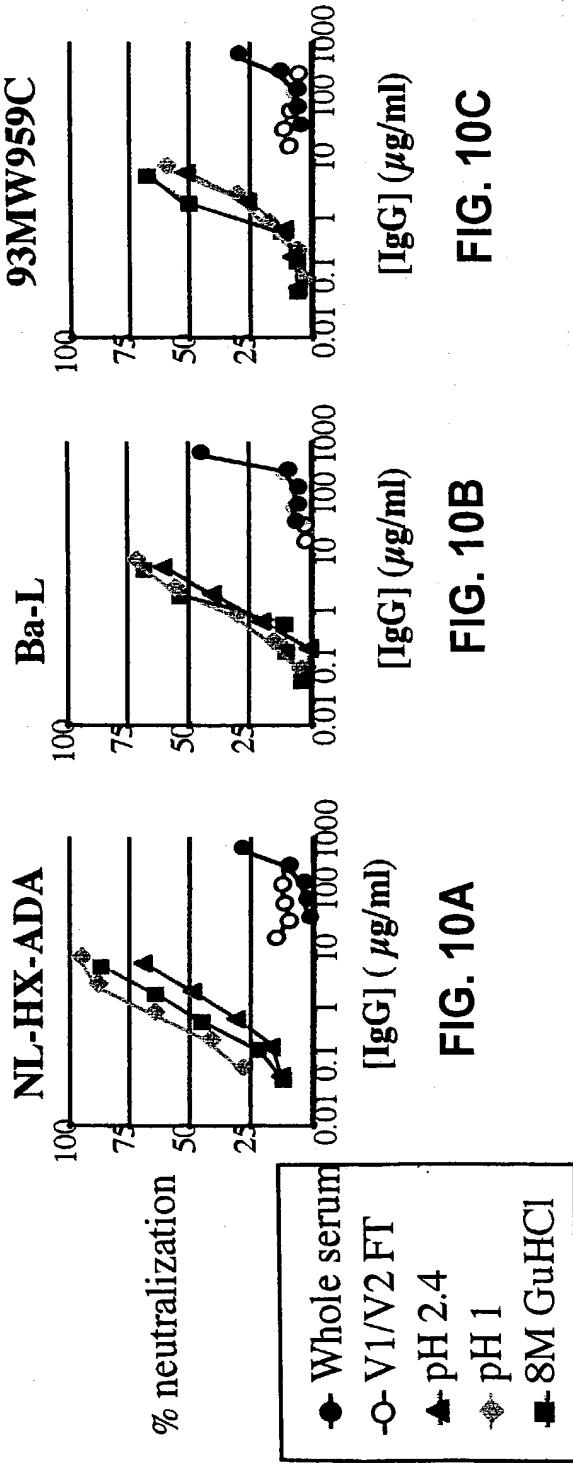
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Macaque #7026 serum





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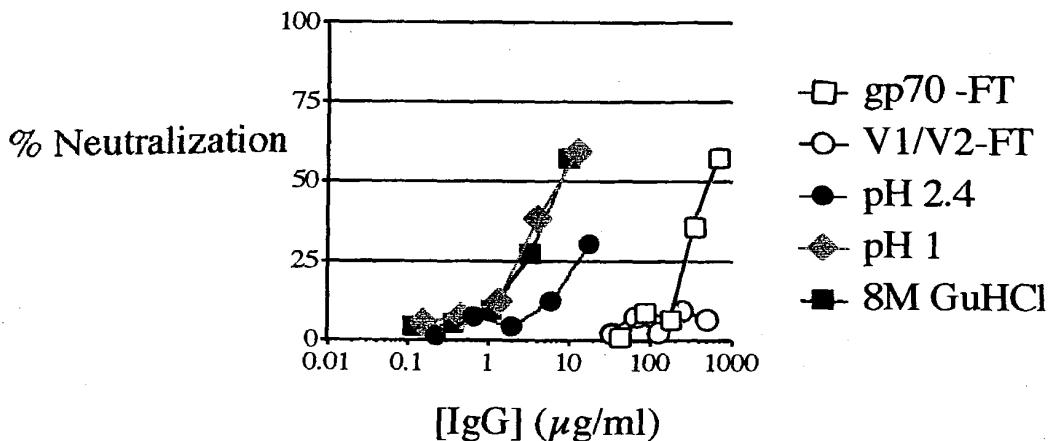


FIG. 11A

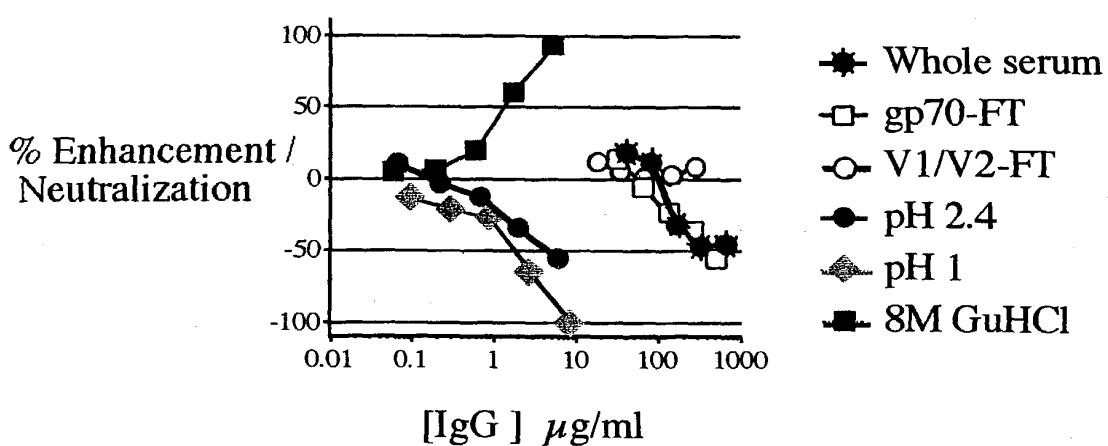
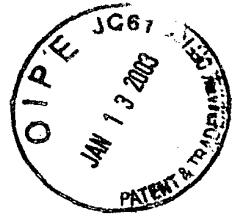


FIG. 11B



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M-Tropic:
T-Tropic:

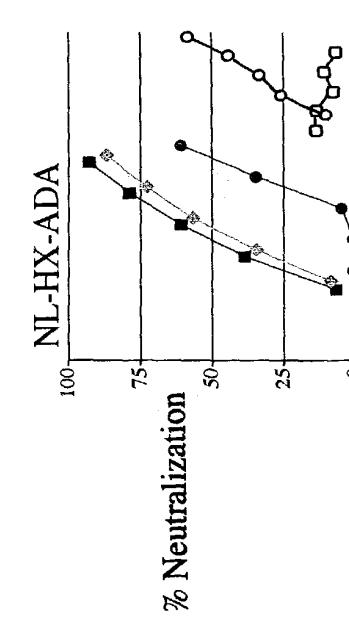


FIG. 12A [IgG] ($\mu\text{g}/\text{ml}$)

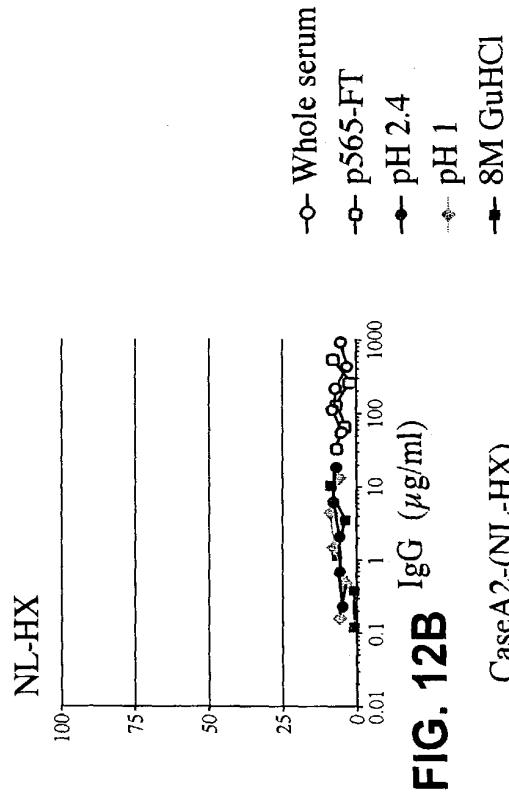


FIG. 12B [IgG] ($\mu\text{g}/\text{ml}$)

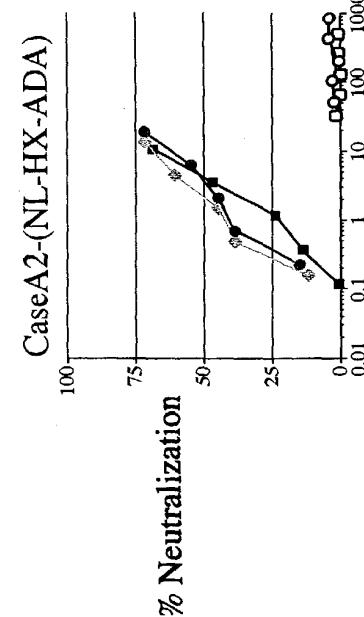


FIG. 12C [IgG] ($\mu\text{g}/\text{ml}$)

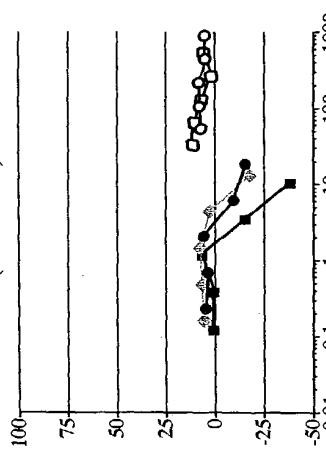


FIG. 12D [IgG] ($\mu\text{g}/\text{ml}$)

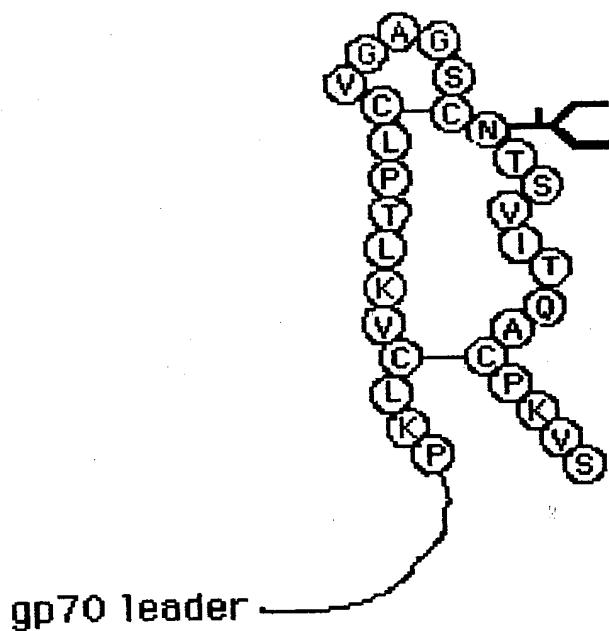


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"V1/V2 stem-only"

| FIG. 13